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(71) Applicant (for all designated States except US): CHIRON CORPORATION [US/US]; Intellectual Property - R440, P.O. Box 8097, Emeryville, CA 94662-8097 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHOO, Qui-Lim

[US/US]; 4560 Horton Street, Emeryville, California 94608 (US). HOUGHTON, Michael [GB/US]; 4560 Horton Street, Emeryville, California 94608 (US). SCOTT, Elizabeth [US/US]; 4560 Horton Street, Emeryville, 94608 (US). WEINER, Amy [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US).

(74) Agents: MORAN, Michael, J. et al.; Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA 94662-8097 (US).

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[Continued on next page]

(54) Title: METHODS AND REAGENTS FOR TREATING, PREVENTING AND DIAGNOSING BUNYAVIRUS INFECTION

DNA: AGTAGTGTACTACCAAGTATAGATAACGTTGAAATACTAAAGTTTGAATC
DNA: AAAGCCAAAGATGTTTATATACTGGTGCATAATTACAGTCAGCTGCCAG
M(1): M I C I L D L I T V R A A S

DNA: CCCAGTGTATCAAAGGTGTTCCAAGATGGGGCTATAGTGAAGCAAAACCC
M(15): P V Y Q R C F Q D G A I V K Q N P

DNA: ATCCAAAGAAGCAGTTCACAGAGGTGTCCTGAAAGATGATGTAGCATGAT
M(32): S K E A V T E V C L K D D V S M I

DNA: CAAACAGAGGCCAGGTATGTAAGAAATGCCACAGGAGTTTTCAAATAA
M(49): K T E A R Y V R N A T G V F S N N

DNA: TGTGCAATAAGGAAATGGCTAGTCCTGATGGCATGATTCCAGGCCAA
M(66): V A I R K M L E V S D W H D C R P K

DNA: GAAAGATGGTGGGGACACATCAATGTAATAGAAGCTGGTATGACCTGTC
M(83): K I V G G R I N V I E V G D D L S

DNA: ACTCCATACTGAATCATATGTTGAGCGCAGATTGTCACCATAGGTGAGA
M(100): L H T E S Y V C S A D C T I G V D

DNA: CAAAGAGACTGACAGGTCAAGCTCAGACAGTACCAAAATCTTTTG
M(117): K E T A Q V R L Q T D T T N H F E

DNA: AATTGCAAGGCAACTGTGAGTCAGGATGGTCAGAAGAGCACGACATATAT
M(134): I A G T T V K S G W F K S T T Y I

DNA: AACTCTTGATCAATTGCGAAACACCTTAAAGTTCTGGGGCCAAAATC
M(151): T L D Q T C E H L K V S C G P K S

DNA: TGTCAGGTTCCATGCCCTGCCTCAATCAGCATATGCTTGCGTCAGAATT
M(168): V Q F H A C F N Q H M S C V R F L

DNA: ACACAGGACATATATGGCTGGCTATAGCCAATCCCTATGTCAGAATAT
M(185): H R T I L P G S I R N S I C Q N I

DNA: CGAAATCNUATTATGTTACCTTACCTCTATTAATCTTTATATGTTAAG
M(202): E I I I L V T L T L L F I L L S

DNA: CATTTAAAGTAAAGCTTATATATGTTATTTATTAATGCTTATATCATCCC
M(219): I L S K T Y J C Y L L M P I F I P

DNA: CATAGCATATATACGGTATATTTACATAAGTCGGTGCACAAAATCCAA
M(236): I A Y I Y G J I Y N K S C K K C K

DNA: ATTATGCGGTTAGTGTATCATCCATTACAGAGTCGGCACACATTGTG
M(253): L C G L V Y H P F T E C G T H C V

DNA: CTGTGGTCCCCCTATGATCTTCAGATAGAATGAAACTGCTAGAGCTTC
M(270): C G A R Y D T S D R M K L H R A S

DNA: TGGATTTGCCCCCTGTTATAAAGCTTAAGAGTCGGCAGAGTCATGCTAA
M(287): G L C P G Y K S L R A A R // V M C R

(57) Abstract: Immunogenic compositions for use in treating, preventing and diagnosing infection caused by the California (CAL) serotype of the genus *Bunyavirus*, such as La Crosse virus (LACV), are disclosed. Also described are reagents for use in diagnostic assays.

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